

RAW SEQUENCE LISTING

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Application Serial Number: 10/728,679A
Source: IFWO
Date Processed by STIC: 10-28-04

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/728,679A

DATE: 10/28/2004

TIME: 15:42:01

Input Set : A:\01012_1.ST25.txt

Output Set: N:\CRF4\10282004\J728679A.raw

3 <110> APPLICANT: Colca, Jerry

5 <120> TITLE OF INVENTION: MitONEET POLYPEPTIDE FROM MITOCHONDRIAL MEMBRANES, MODULATORS

6 THEREOF, AND METHODS OF USING THE SAME

8 <130> FILE REFERENCE: 01012/1

C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/728,679A

C--> 10 <141> CURRENT FILING DATE: 2003-12-05

10 <150> PRIOR APPLICATION NUMBER: 60/431,520

11 <151> PRIOR FILING DATE: 2002-11-06

13 <160> NUMBER OF SEQ ID NOS: 9

15 <170> SOFTWARE: PatentIn version 3.2

17 <210> SEQ ID NO: 1

18 <211> LENGTH: 655

19 <212> TYPE: DNA

20 <213> ORGANISM: Bos taurus

22 <400> SEQUENCE: 1

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25	ggcgccatga	gtatgacttc	cagcgtaaga	gttgaatgga	tgcagctgt	taccattgct	120
27	gctggaacag	ctgcaattgg	ttatctagct	tacaaaagat	tttatgttaa	agatcatcgc	180
29	aacaaatcta	tggtaaaccc	tcacatccag	aaagataacc	ccaaggtagt	acatgctttt	240
31	gatatggagg	atttgggaga	taaagctgtg	tactgccgtt	gttggaggtc	caaaaagtgc	300
33	ccactatgtg	atggatctca	cacaaaacac	aatgaagaaa	ctggagacaa	cgtgggacct	360
35	ctgatcatta	agaaaaaaga	cacttaaata	gacagttttg	atgctgcaaa	ccaacttgct	420
37	atgatgtttc	ctgattgttt	aattagaatg	actaccactt	ccgtctaatt	cacctgccct	480
39	gggttctaga	tgtgtggtta	actatagctt	tcacattcac	ggcatttgcc	ttacacgtgg	540
41	aaccattgtg	gtgcacatct	gttgaaacaa	ggaaaaacaa	aaaaccaatc	tcattggcctg	600
43	tgggttat	tttgggttctta	aggatctggt	tctttacatt	taaaactgac	attag	655

46 <210> SEQ ID NO: 2

47 <211> LENGTH: 636

48 <212> TYPE: DNA

49 <213> ORGANISM: Homo sapiens

51 <400> SEQUENCE: 2

52	gatcgcgag	tgggtgcttt	agtaacgcgc	tggcaccttt	actctcgccg	gcccgcgcaa	60
54	cccgtttgag	ctcggtatcc	tagtgacac	gcctttgcaa	gcgacggcgc	catgagctg	120
56	acttccagtt	ccagcgtaag	agttgaatgg	atcgacgag	ttaccattgc	tgtgtggaca	180
58	gctgcaattg	gttatctagc	ttacaaaaga	ttttatgtta	aagatcatcg	aaataaagct	240
60	atgataaacc	ttcacatcca	gaaagacaac	cccaagatag	tacatgcttt	tgacatggag	300
62	gatttgggag	ataaagctgt	gtactgccgt	tgttggaggt	ccaaaaagtt	cccattctgt	360
64	gatggggctc	acacaaaaca	taacgaagag	actggagaca	atgtgggccc	tctgatcatc	420
66	aagaaaaaag	aaacttaaat	ggacactttt	gatgctgcaa	atcagcttgt	cgtgaagtta	480
68	cctgattgtt	taattagaat	gactaccacc	tctgtctgat	tcaccttcgc	tggattctaa	540
70	atgtgggtata	ttgcaaactg	cagctttcac	atztatggca	tttgtcttgt	tgaaacatcg	600
72	tgggtgcacat	ttgttttaaac	aaaaaaaaaa	aaaaaa			636

75 <210> SEQ ID NO: 3

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76 <211> LENGTH: 792
77 <212> TYPE: DNA
78 <213> ORGANISM: Mus musculus
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81 cccacgcgctc cgcttgccgc ggcgcctgcg cagtggcagt gagtgggccc cgaggtcgcg      60
83 tcttgcccaa gtctccgcgg tcccagcgc tcgctcgcgc ggtcctgcca cggccttctc      120
85 gctgcccgcg ccatgggcct cagctccaac tccgctgtgc gaggtagtg gatcgcggcc      180
87 gtcacctttg ctgctggcac agcgcgtctc ggttacctgg cttacaagaa gttctacgct      240
89 aaagagaatc gcaccaaagc tatggtgaat cttcagatcc agaaagacaa cccgaagggtg      300
91 gtgcatgcct tcgacatgga ggatctgggg gataaggccg tgtactgccg atgctggagg      360
93 tctaaaaagt tccccttctg cgatggggct cacataaagc acaacgaaga gactggcgac      420
95 aacgtaggac ctctgatcat caagaaaaag gaaacctaat ggacagttgc gaggctgcac      480
97 ccagcgtggt gtgatgtcac ctgctgattt acgtagaatg gcacccaacc caccgtctga      540
99 ttggcctccc cggttctaga tgtggttggc cctgcaaat cacagctctc atatccatgg      600
101 catcggcctt gctactgaaa catgtggtgc acgtttgttg aaagaagaag aaaggctaaa      660
103 ccaacctcgt gctatatggg ttattttggt cttgtaagga tccgttcctt taaaataatg      720
105 gtcttagaat atagttgtat cttgaggtta aagtattaaa ttattccaaa atcatgtaaa      780
107 aaaaaaaaaa aa                                     792
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111 <211> LENGTH: 106
112 <212> TYPE: PRT
113 <213> ORGANISM: Bos taurus
115 <400> SEQUENCE: 4
117 Met Ser Met Thr Ser Ser Val Arg Val Glu Trp Ile Ala Ala Val Thr
118 1          5          10          15
121 Ile Ala Ala Gly Thr Ala Ala Ile Gly Tyr Leu Ala Tyr Lys Arg Phe
122          20          25          30
125 Tyr Val Lys Asp His Arg Asn Lys Ser Met Ile Asn Pro His Ile Gln
126          35          40          45
129 Lys Asp Asn Pro Lys Val Val His Ala Phe Asp Met Glu Asp Leu Gly
130          50          55          60
133 Asp Lys Ala Val Tyr Cys Arg Cys Trp Arg Ser Lys Lys Phe Pro Leu
134 65          70          75          80
137 Cys Asp Gly Ser His Thr Lys His Asn Glu Glu Thr Gly Asp Asn Val
138          85          90          95
141 Gly Pro Leu Ile Ile Lys Lys Lys Asp Thr
142          100          105
145 <210> SEQ ID NO: 5
146 <211> LENGTH: 108
147 <212> TYPE: PRT
148 <213> ORGANISM: Homo sapiens
150 <400> SEQUENCE: 5
152 Met Ser Leu Thr Ser Ser Ser Ser Val Arg Val Glu Trp Ile Ala Ala
153 1          5          10          15
156 Val Thr Ile Ala Ala Gly Thr Ala Ala Ile Gly Tyr Leu Ala Tyr Lys
157          20          25          30
160 Arg Phe Tyr Val Lys Asp His Arg Asn Lys Ala Met Ile Asn Leu His
161          35          40          45
164 Ile Gln Lys Asp Asn Pro Lys Ile Val His Ala Phe Asp Met Glu Asp

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165      50      55      60
168 Leu Gly Asp Lys Ala Val Tyr Cys Arg Cys Trp Arg Ser Lys Lys Phe
169 65      70      75      80
172 Pro Phe Cys Asp Gly Ala His Thr Lys His Asn Glu Glu Thr Gly Asp
173      85      90      95
176 Asn Val Gly Pro Leu Ile Ile Lys Lys Lys Glu Thr
177      100      105
180 <210> SEQ ID NO: 6
181 <211> LENGTH: 108
182 <212> TYPE: PRT
183 <213> ORGANISM: Mus musculus
185 <400> SEQUENCE: 6
187 Met Gly Leu Ser Ser Asn Ser Ala Val Arg Val Glu Trp Ile Ala Ala
188 1      5      10      15
191 Val Thr Phe Ala Ala Gly Thr Ala Ala Leu Gly Tyr Leu Ala Tyr Lys
192      20      25      30
195 Lys Phe Tyr Ala Lys Glu Asn Arg Thr Lys Ala Met Val Asn Leu Gln
196      35      40      45
199 Ile Gln Lys Asp Asn Pro Lys Val Val His Ala Phe Asp Met Glu Asp
200      50      55      60
203 Leu Gly Asp Lys Ala Val Tyr Cys Arg Cys Trp Arg Ser Lys Lys Phe
204 65      70      75      80
207 Pro Phe Cys Asp Gly Ala His Ile Lys His Asn Glu Glu Thr Gly Asp
208      85      90      95
211 Asn Val Gly Pro Leu Ile Ile Lys Lys Lys Glu Thr
212      100      105
215 <210> SEQ ID NO: 7
216 <211> LENGTH: 19
217 <212> TYPE: PRT
218 <213> ORGANISM: Mus musculus
220 <400> SEQUENCE: 7
222 Cys Gly Gly Lys Ala Met Val Asn Leu Gln Ile Gln Lys Asp Asn Pro
223 1      5      10      15
226 Lys Val Val
230 <210> SEQ ID NO: 8
231 <211> LENGTH: 19
232 <212> TYPE: PRT
233 <213> ORGANISM: Mus musculus
235 <400> SEQUENCE: 8
237 Lys Asp Asn Lys Val Val His Ala Phe Asp Met Glu Asp Leu Gly Asp
238 1      5      10      15
241 Lys Ala Val
245 <210> SEQ ID NO: 9
246 <211> LENGTH: 21
247 <212> TYPE: PRT
248 <213> ORGANISM: Mus musculus
250 <400> SEQUENCE: 9
252 Cys Gly Gly Asn Glu Glu Thr Gly Asp Asn Val Gly Pro Leu Ile Ile
253 1      5      10      15

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256 Lys Lys Lys Glu Thr

257 20

VERIFICATION SUMMARY

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Input Set : A:\01012_1.ST25.txt

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L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date